

### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **TRENCH TRANSISTOR WITH SUPERIOR GATE DIELECTRIC** the specification of which   X   is attached hereto or        was filed on                      as Application No.                      and was amended on                      (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

#### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Babak S. Sani , Reg. No.  
Robert C. Colwell , Reg. No.

Send Correspondence to:  Babak S. Sani TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8 <sup>th</sup> Floor San Francisco, California 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.)  Name: Babak S. Sani Reg. No.: 37,495 Telephone: 415-576-0200
---	---

Full Name of Inventor 1:	Last Name: MO	First Name: BRIAN	Middle Name or Initial: SZE-KI	
Residence & Citizenship:	City: Fremont	State/Foreign Country: CA	Country of Citizenship: United States of America	
Post Office Address:	Post Office Address: 1401 Red Hawk Circle, Apt. P-312	City: Fremont	State/Country: CA	Postal Code: 94538
Full Name of Inventor 2:	Last Name: CHAU	First Name: DUC	Middle Name or Initial:	
Residence & Citizenship:	City: San Jose	State/Foreign Country: CA	Country of Citizenship: United States of America	
Post Office Address:	Post Office Address: 3171 Kawalker Lane	City: San Jose	State/Country: CA	Postal Code: 95127

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 <u>Brian Sze-Ki Mo</u> BRIAN SZE-KI MO	Signature of Inventor 2 <u>Duc Chau</u> DUC CHAU	Signature of Inventor 3 _____
Date <u>3/31/99</u>	Date <u>3/31/99</u>	Date _____

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, BRIAN SZE-KI MO, of 1401 Red Hawk Circle, Apt. P-312, Fremont, CA 94538, DUC CHAU, of 3171 Kawalker Lane, San Jose, CA 95127, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TRENCH TRANSISTOR WITH  
SUPERIOR GATE DIELECTRIC

Date(s) of execution of Declaration: 3/31/99

Filing Date: \_\_\_\_\_

Application No.: \_\_\_\_\_; and

WHEREAS, Fairchild Semiconductor Corporation, a corporation of the state of Delaware, located at 333 Western Ave., South Portland, MAINE, 04106, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her names on the dated indicated.

Dated: 3/31/99

Brian Sze-Ki Mo  
Brian Sze-Ki Mo

Dated: 3/31/99

Duc Chau  
Duc Chau